

Table 1C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Demographic Indicators ⁽²⁾

Page: 1
Run Date: 6 / 27 / 11

| Total Records | Number | % | Source of Data | Number | % |
|-------------------------------|--------------|------|----------------------------|--------------|--------------|
| Complete Records | 2,793 | 68.1 | WIC | 4,100 | 100.0 |
| Prenatal Records | 516 | 12.6 | Maternal Health | 0 | 0.0 |
| Postpartum Records | 791 | 19.3 | Other | 0 | 0.0 |
| Total Records Accepted | 4,100 | | Total | 4,100 | 100.0 |
| | | | <i>Excluded Unknown: 0</i> | <i>0.0</i> | |

| Race/Ethnic Distribution | Number | % | Age Distribution | Number | % | Education Distribution | Number | % |
|-------------------------------|--------------|--------------|----------------------------|--------------|--------------|------------------------------|--------------|--------------|
| White, Not Hispanic | 2,758 | 67.3 | < 15 Years | 8 | 0.2 | < High School | 883 | 23.1 |
| Black, Not Hispanic | 184 | 4.5 | 15 - 17 Years | 201 | 4.9 | High School | 1,634 | 42.8 |
| Hispanic | 291 | 7.1 | 18 - 19 Years | 536 | 13.1 | > High School | 1,301 | 34.1 |
| American Indian/Alaska Native | 696 | 17.0 | 20 - 29 Years | 2,644 | 64.5 | Total | 3,818 | 100.0 |
| Asian/Pacific Islander | 60 | 1.5 | 30 - 39 Years | 666 | 16.3 | | | |
| Multiple Races | 108 | 2.6 | >= 40 Years | 43 | 1.0 | | | |
| All Other | 0 | 0.0 | Total | 4,098 | 100.0 | | | |
| Total | 4,097 | 100.0 | <i>Excluded Unknown: 2</i> | <i>0.0</i> | | <i>Excluded Unknown: 282</i> | <i>6.9</i> | |
| <i>Excluded Unknown: 3</i> | <i>0.1</i> | | | | | | | |

| % Poverty Level | Number | % | Program Participation ⁽³⁾ | Number | % | Migrant Status | Number | % |
|-----------------------------|--------------|--------------|--------------------------------------|--------|-------|----------------------------|--------------|--------------|
| 0 - 50 | 1,305 | 39.6 | WIC | 3,309 | 100.0 | Yes | 6 | 0.1 |
| 51 - 100 | 767 | 23.3 | SNAP | 3,307 | 24.0 | No | 4,089 | 99.9 |
| 101 - 130 | 446 | 13.5 | Medicaid | 3,307 | 55.1 | Total | 4,095 | 100.0 |
| 131 - 150 | 261 | 7.9 | TANF | 3,307 | 2.2 | | | |
| 151 - 185 | 401 | 12.2 | <i>Excluded Unknown:</i> | | | | | |
| 186 - 200 | 28 | 0.9 | WIC: | 0 | 0.0 | | | |
| > 200 | 85 | 2.6 | SNAP: | 2 | 0.1 | | | |
| Adjunctive Eligibility | 0 | 0.0 | Medicaid: | 2 | 0.1 | | | |
| Total | 3,293 | 100.0 | TANF: | 2 | 0.1 | <i>Excluded Unknown: 5</i> | <i>0.1</i> | |
| <i>Excluded Unknown: 16</i> | <i>0.5</i> | | | | | | | |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Prenatal program participation.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 2C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Summary of Health Indicators

| Summary of Health Indicators (2) | | | | |
|----------------------------------|----------------------------|------|--|------|
| | North Dakota Prevalence | | National Prevalence (Prior Year) | |
| | Number | % | Number | % |
| Prepregnancy BMI (3) | | | | |
| Underweight | 3,568 | 2.9 | 1,226,875 | 4.5 |
| Normal Weight | 3,568 | 41.0 | 1,226,875 | 42.5 |
| Overweight | 3,568 | 25.5 | 1,226,875 | 25.9 |
| Obese | 3,568 | 30.6 | 1,226,875 | 27.0 |
| Maternal Weight Gain (4) | | | | |
| Less Than Ideal | 2,929 | 17.2 | 917,032 | 21.2 |
| Ideal | 2,929 | 32.7 | 917,032 | 30.6 |
| Greater Than Ideal | 2,929 | 50.1 | 917,032 | 48.2 |
| Anemia (Low Hb/Hct) (5) | | | | |
| 1st Trimester | 1,388 | 3.6 | 436,474 | 7.7 |
| 2nd Trimester | 1,084 | 6.6 | 375,216 | 12.2 |
| 3rd Trimester | 622 | 28.5 | 189,944 | 33.9 |
| Postpartum | 2,527 | 21.7 | 412,633 | 28.8 |
| Parity (6) | | | | |
| 0 | 2,955 | 35.7 | 1,108,534 | 41.3 |
| 1 | 2,955 | 29.6 | 1,108,534 | 26.7 |
| 2 | 2,955 | 17.6 | 1,108,534 | 16.3 |
| ≥ 3 | 2,955 | 17.1 | 1,108,534 | 15.6 |
| Interpregnancy Interval | | | | |
| < 6 Months | 2,280 | 17.4 | 614,765 | 12.0 |
| 6 - <18 Months | 2,280 | 30.4 | 614,765 | 26.7 |
| ≥18 Months | 2,280 | 52.2 | 614,765 | 61.3 |
| Gestational Diabetes | 3,141 | 5.8 | 389,161 | 5.0 |
| Hypertension During Pregnancy | 3,143 | 11.1 | 394,368 | 6.8 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

(6) Number of times a woman has given birth to an infant 20 or more weeks gestation.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 2C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Summary of Health Indicators

Page: 3
Run Date: 6 / 27 / 11

| Summary of Health Indicators (2) | | | | |
|---|----------------------------|------|--|------|
| | North Dakota Prevalence | | National Prevalence (Prior Year) | |
| | Number | % | Number | % |
| Medical Care | | | | |
| 1st Trimester | 2,550 | 63.5 | 527,184 | 82.2 |
| No Care | 2,550 | 27.6 | 527,184 | 3.1 |
| WIC Enrollment | | | | |
| 1st Trimester | 3,592 | 45.1 | 1,213,982 | 34.1 |
| 2nd Trimester | 3,592 | 29.6 | 1,213,982 | 34.7 |
| 3rd Trimester | 3,592 | 16.9 | 1,213,982 | 17.5 |
| Postpartum (3) | 3,592 | 8.4 | 1,213,982 | 13.7 |
| Prepregnancy Multivitamin Consumption (4) | 3,107 | 24.0 | 360,369 | 18.7 |
| Multivitamin Consumption During Pregnancy (5) | 2,827 | 30.6 | 372,743 | 83.5 |
| Smoking | | | | |
| 3 Months Prior to Pregnancy | 3,278 | 44.4 | 1,040,568 | 22.9 |
| During Pregnancy | 3,188 | 25.8 | 895,533 | 13.8 |
| Last 3 Months of Pregnancy | 3,178 | 24.3 | 838,781 | 13.0 |
| Postpartum | 3,172 | 30.4 | 782,035 | 15.0 |
| Smoking Changes (6) | | | | |
| Quit Smoking by First Prenatal Visit | 1,382 | 41.7 | 206,583 | 43.1 |
| Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes | 1,038 | 33.9 | 156,709 | 36.7 |
| Smoking in Household | | | | |
| During Pregnancy | 3,133 | 15.6 | 650,648 | 17.1 |
| Postpartum | 3,060 | 6.7 | 559,995 | 16.8 |
| Drinking | | | | |
| 3 Months Prior to Pregnancy | 1,572 | 23.7 | 1,040,654 | 8.3 |
| Last 3 Months of Pregnancy | 3,163 | 0.5 | 604,343 | 1.3 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Women who initially enrolled in WIC during the postpartum period.

(4) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

(6) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 2C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Summary of Health Indicators

Page: 4
Run Date: 6 / 27 / 11

| Summary of Health Indicators (2) | | | | |
|----------------------------------|----------------------------|------|--|------|
| | North Dakota Prevalence | | National Prevalence (Prior Year) | |
| | Number | % | Number | % |
| Birthweight (3) | | | | |
| Very Low | 2,186 | 1.2 | 1,018,145 | 1.1 |
| Low | 2,186 | 7.3 | 1,018,145 | 7.1 |
| Normal | 2,186 | 83.7 | 1,018,145 | 85.1 |
| High | 2,186 | 7.8 | 1,018,145 | 6.7 |
| Preterm (4) | 1,924 | 11.7 | 1,017,333 | 11.1 |
| Full term Low Birth Weight (5) | 1,679 | 3.0 | 848,957 | 3.5 |
| Multiple Births | 3,584 | 1.2 | 1,095,174 | 1.4 |
| Breastfeeding | | | | |
| Ever Breastfed | 2,297 | 39.7 | 997,136 | 66.7 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Very low birth weight (<1500 g), low birth weight (1500 - <2500 g), normal birth weight (2500 - <4000 g), high birth weight (>4000 g).

(4) <37 weeks gestation.

(5) 37 or more weeks gestation and <2500 g.



Table 3C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 5
Run Date: 6 / 27 / 11

Comparison of Racial and Ethnic Distribution by Contributor to Nation

| Comparison of Racial and Ethnic Distribution ⁽²⁾ | | | | | | | | |
|--|-----------------------------------|--------------------------|--------------------------|---------------|--|--------------------------------|---------------------|------------------------|
| | Number Included in Analysis | White, Not Hispanic % | Black, Not Hispanic % | Hispanic % | American Indian/Alaska Native % | Asian/Pacific Islander % | Multiple Races % | All Other/Unknown % |
| North Dakota | 4,100 | 67.3 | 4.5 | 7.1 | 17.0 | 1.5 | 2.6 | 0.1 |
| Nation (Prior Year) | 1,304,320 | 41.6 | 24.1 | 28.3 | 1.1 | 3.2 | 1.2 | 0.5 |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 4C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Age Distribution by Contributor to Nation

| Comparison of Age Distribution ⁽²⁾ | | | | | | | | |
|--|-----------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------|
| | Number Included in Analysis | < 15 Years % | 15 - 17 Years % | 18 - 19 Years % | 20 - 29 Years % | 30 - 39 Years % | >= 40 Years % | Unknown % |
| North Dakota | 4,100 | 0.2 | 4.9 | 13.1 | 64.5 | 16.2 | 1.0 | 0.0 |
| Nation (Prior Year) | 1,304,320 | 0.3 | 5.8 | 12.3 | 59.4 | 20.4 | 1.5 | 0.3 |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 5C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Health Indicators by Contributor to Nation

Page: 7
Run Date: 6 / 27 / 11

| Comparison of Maternal Health Indicators ⁽²⁾ | | | | | | | | | | | | | | |
|---|-------------------------|-----|-----------------|--------------------|------|---------|-------------------------------|------|------------|------|--|-----|-------------------------------------|------|
| | Prepregnancy BMI (3) | | | Weight Gain (4) | | | Anemia (Low Hb/Hct) (5) | | | | Gestational Diabetes During Pregnancy | | Hypertension During Pregnancy | |
| | Under- weight | | Over- weight | < Ideal | | > Ideal | 3rd Trimester | | Postpartum | | | | | |
| | Number | % | % | Number | % | % | Number | % | Number | % | Number | % | Number | % |
| North Dakota | 3,568 | 2.9 | 56.1 | 2,929 | 17.2 | 50.1 | 622 | 28.5 | 2,527 | 21.7 | 3,141 | 5.8 | 3,143 | 11.1 |
| Nation (Prior Year) | 1,226,875 | 4.5 | 52.9 | 917,032 | 21.2 | 48.2 | 189,944 | 33.9 | 412,633 | 28.8 | 389,161 | 5.0 | 394,368 | 6.8 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 6C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 8
Run Date: 6 / 27 / 11

Comparison of Maternal Behavioral Indicators by Contributor to Nation

| Comparison of Maternal Behavioral Indicators ⁽²⁾ | | | | | | | |
|--|----------------|-------------|-------------|------------------|-------------|--------------------------|-------------------------|
| | Medical Care | | | WIC Enrollment | | Multivitamin Consumption | |
| | 1st Trimester | | No Care | 1st Trimester | | Prepregnancy (3) | During Pregnancy (4) |
| | Number | % | % | Number | % | Number | % |
| North Dakota | 2,550 | 63.5 | 27.6 | 3,592 | 45.1 | 3,107 | 24.0 |
| Nation (Prior Year) | 527,184 | 82.2 | 3.1 | 1,213,982 | 34.1 | 360,369 | 18.7 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(4) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 7C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Comparison of Smoking Indicators by Contributor to Nation

| Comparison of Smoking Indicators ⁽²⁾ | | | | | | | | | | |
|---|--------------------------------|-------------------------------|--|----------------------|---------|------------|---------|------|---------|------|
| | Smoking | | Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾ | Smoking in Household | | | | | | |
| | 3 Months Prior to Pregnancy | Last 3 Months of Pregnancy | | Prenatal | | Postpartum | | | | |
| | Number | % | Number | % | Number | % | Number | % | | |
| North Dakota | 3,278 | 44.4 | 3,178 | 24.3 | 1,038 | 33.9 | 3,133 | 15.6 | 3,060 | 6.7 |
| Nation (Prior Year) | 1,040,568 | 22.9 | 838,781 | 13.0 | 156,709 | 36.7 | 650,648 | 17.1 | 559,995 | 16.8 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by Contributor to Nation

Page: 10
Run Date: 6 / 27 / 11

| Comparison of Infant Health Indicators ⁽²⁾ | | | | | | | | | |
|--|------------------|------------|-------------|------------------|----------------------|----------------|------------|----------------|-------------|
| | Birthweight | | | Preterm (5) | Full Term LBW (6) | Ever Breastfed | | | |
| | Low (3) | | High (4) | | | | | | |
| | Number | % | % | | | | | | |
| North Dakota | 2,186 | 8.5 | 7.8 | 1,924 | 11.7 | 1,679 | 3.0 | 2,297 | 39.7 |
| Nation (Prior Year) | 1,018,145 | 8.2 | 6.7 | 1,017,333 | 11.1 | 848,957 | 3.5 | 997,136 | 66.7 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 9C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Maternal Health Indicators by Race/Ethnicity, Age, or Education

| Maternal Health Indicators by Race/Ethnicity, Age, or Education | | | | | | | | | | | | | (2) | |
|---|-------------------------|-----|-----------------|--------------------|------|---------|-------------------------------|------|------------|------|-------------------------|-----|-------------------------------------|------|
| | Prepregnancy BMI (3) | | | Weight Gain (4) | | | Anemia (Low Hb/Hct) (5) | | | | Gestational Diabetes | | Hypertension During Pregnancy | |
| | Under- weight | | Over- weight | < Ideal | | > Ideal | 3rd Trimester | | Postpartum | | | | | |
| | Number | % | % | Number | % | % | Number | % | Number | % | Number | % | Number | % |
| Race/Ethnicity | | | | | | | | | | | | | | |
| White, Not Hispanic | 2,374 | 3.1 | 55.5 | 1,962 | 15.6 | 51.4 | 416 | 23.8 | 1,692 | 18.9 | 2,115 | 4.9 | 2,113 | 11.2 |
| Black, Not Hispanic | 162 | 3.7 | 55.6 | 131 | 38.2 | 28.2 | 30 | * | 113 | 31.0 | 144 | 3.5 | 144 | 6.3 |
| Hispanic | 257 | 2.3 | 51.8 | 206 | 19.9 | 48.1 | 47 | * | 168 | 23.2 | 208 | 6.3 | 209 | 10.0 |
| American Indian/Alaska Native | 630 | 1.9 | 64.0 | 519 | 15.8 | 52.2 | 93 | * | 449 | 28.1 | 551 | 9.1 | 554 | 13.9 |
| Asian/Pacific Islander | 51 | * | * | 41 | * | * | 15 | * | 40 | * | 44 | * | 44 | * |
| Multiple Races | 94 | * | * | 70 | * | * | 21 | * | 64 | * | 78 | * | 78 | * |
| All Other/Unknown | 0 | * | * | 0 | * | * | 0 | * | 1 | * | 1 | * | 1 | * |
| Total | 3,568 | 2.9 | 56.1 | 2,929 | 17.2 | 50.1 | 622 | 28.5 | 2,527 | 21.7 | 3,141 | 5.8 | 3,143 | 11.1 |
| Age | | | | | | | | | | | | | | |
| < 15 Years | 6 | * | * | 6 | * | * | 1 | * | 5 | * | 7 | * | 7 | * |
| 15 - 17 Years | 173 | 5.8 | 30.6 | 146 | 13.7 | 56.2 | 26 | * | 124 | 32.3 | 144 | 1.4 | 144 | 11.8 |
| 18 - 19 Years | 476 | 3.4 | 39.7 | 377 | 11.7 | 56.0 | 85 | * | 321 | 27.1 | 376 | 2.9 | 376 | 13.3 |
| 20 - 29 Years | 2,316 | 3.1 | 57.9 | 1,909 | 17.2 | 49.9 | 410 | 24.6 | 1,633 | 20.3 | 2,036 | 5.3 | 2,038 | 9.9 |
| 30 - 39 Years | 558 | 0.9 | 70.4 | 461 | 23.2 | 44.0 | 95 | * | 420 | 19.5 | 544 | 9.7 | 545 | 12.8 |
| >= 40 Years | 37 | * | * | 28 | * | * | 5 | * | 24 | * | 34 | * | 33 | * |
| Unknown | 2 | * | * | 2 | * | * | 0 | * | 0 | * | 0 | * | 0 | * |
| Total | 3,568 | 2.9 | 56.1 | 2,929 | 17.2 | 50.1 | 622 | 28.5 | 2,527 | 21.7 | 3,141 | 5.8 | 3,143 | 11.1 |
| Education | | | | | | | | | | | | | | |
| < High School | 785 | 3.7 | 48.5 | 647 | 18.4 | 49.6 | 139 | 34.5 | 544 | 27.9 | 682 | 6.5 | 684 | 10.4 |
| High School | 1,446 | 2.4 | 57.7 | 1,185 | 16.6 | 51.2 | 254 | 28.0 | 1,001 | 22.3 | 1,245 | 5.5 | 1,245 | 9.5 |
| > High School | 1,107 | 2.6 | 59.6 | 912 | 16.3 | 49.9 | 196 | 22.4 | 807 | 15.7 | 1,002 | 5.9 | 1,002 | 13.5 |
| Unknown | 230 | 4.3 | 55.2 | 185 | 21.6 | 44.9 | 33 | * | 175 | 26.3 | 212 | 4.7 | 212 | 12.3 |
| Total | 3,568 | 2.9 | 56.1 | 2,929 | 17.2 | 50.1 | 622 | 28.5 | 2,527 | 21.7 | 3,141 | 5.8 | 3,143 | 11.1 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 10C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota

Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education

| Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education (2) | | | | | | | | | |
|--|---------------|-------------|-------------|----------------|-------------|--------------------------|-------------|----------------------|-------------|
| | Medical Care | | | WIC Enrollment | | Multivitamin Consumption | | | |
| | 1st Trimester | | No Care | 1st Trimester | | Pregnancy (3) | | During Pregnancy (4) | |
| | Number | % | % | Number | % | Number | % | Number | % |
| Race/Ethnicity | | | | | | | | | |
| White, Not Hispanic | 1,669 | 66.9 | 26.2 | 2,378 | 45.3 | 2,094 | 27.8 | 1,888 | 30.6 |
| Black, Not Hispanic | 112 | 54.5 | 32.1 | 164 | 40.9 | 124 | 19.4 | 113 | 28.3 |
| Hispanic | 186 | 62.4 | 25.8 | 253 | 45.5 | 220 | 17.7 | 200 | 29.5 |
| American Indian/Alaska Native | 478 | 53.3 | 33.3 | 643 | 45.3 | 539 | 13.4 | 507 | 32.3 |
| Asian/Pacific Islander | 40 | * | * | 54 | * | 44 | * | 40 | * |
| Multiple Races | 65 | * | * | 99 | * | 86 | * | 79 | * |
| All Other/Unknown | 0 | * | * | 1 | * | 0 | * | 0 | * |
| Total | 2,550 | 63.5 | 27.6 | 3,592 | 45.1 | 3,107 | 24.0 | 2,827 | 30.6 |
| Age | | | | | | | | | |
| < 15 Years | 4 | * | * | 6 | * | 6 | * | 5 | * |
| 15 - 17 Years | 116 | 61.2 | 25.9 | 186 | 52.7 | 155 | 7.7 | 150 | 23.3 |
| 18 - 19 Years | 336 | 64.6 | 27.1 | 494 | 47.4 | 433 | 12.0 | 410 | 28.8 |
| 20 - 29 Years | 1,665 | 65.5 | 26.2 | 2,306 | 44.0 | 2,016 | 24.6 | 1,811 | 30.4 |
| 30 - 39 Years | 402 | 56.2 | 33.8 | 560 | 44.5 | 467 | 36.2 | 427 | 34.9 |
| >= 40 Years | 26 | * | * | 38 | * | 28 | * | 22 | * |
| Unknown | 1 | * | * | 2 | * | 2 | * | 2 | * |
| Total | 2,550 | 63.5 | 27.6 | 3,592 | 45.1 | 3,107 | 24.0 | 2,827 | 30.6 |
| Education | | | | | | | | | |
| < High School | 578 | 61.4 | 26.5 | 805 | 48.7 | 687 | 15.3 | 632 | 28.8 |
| High School | 1,040 | 62.9 | 28.4 | 1,456 | 45.6 | 1,291 | 20.1 | 1,152 | 31.6 |
| > High School | 789 | 68.3 | 25.7 | 1,102 | 43.3 | 978 | 35.7 | 902 | 30.4 |
| Unknown | 143 | 50.3 | 36.4 | 229 | 38.0 | 151 | 21.2 | 141 | 31.2 |
| Total | 2,550 | 63.5 | 27.6 | 3,592 | 45.1 | 3,107 | 24.0 | 2,827 | 30.6 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for behavioral indicators, and data with errors for behavioral and demographic indicators.

(3) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(4) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 11C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Smoking Indicators by Race/Ethnicity, Age, or Education

| Smoking Indicators by Race/Ethnicity, Age, or Education ⁽²⁾ | | | | | | | | | | |
|--|--------------------------------|-------------|-------------------------------|-------------|---|----------------------|--------------|-------------|--------------|------------|
| | Smoking | | | | Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3) | Smoking in Household | | | | |
| | 3 Months Prior to Pregnancy | | Last 3 Months of Pregnancy | | | Prenatal | | Postpartum | | |
| | Number | % | Number | % | | Number | % | Number | % | |
| Race/Ethnicity | | | | | | | | | | |
| White, Not Hispanic | 2,149 | 44.6 | 2,145 | 23.8 | 670 | 32.8 | 2,060 | 14.8 | 2,067 | 6.8 |
| Black, Not Hispanic | 146 | 8.9 | 143 | 3.5 | 7 | * | 140 | 2.1 | 128 | 0.8 |
| Hispanic | 234 | 29.5 | 209 | 14.8 | 48 | * | 220 | 13.6 | 204 | 6.9 |
| American Indian/Alaska Native | 608 | 58.9 | 558 | 36.4 | 276 | 33.7 | 580 | 23.6 | 546 | 7.9 |
| Asian/Pacific Islander | 50 | * | 44 | * | 4 | * | 47 | * | 41 | * |
| Multiple Races | 91 | * | 78 | * | 33 | * | 86 | * | 73 | * |
| All Other/Unknown | 0 | * | 1 | * | 0 | * | 0 | * | 1 | * |
| Total | 3,278 | 44.4 | 3,178 | 24.3 | 1,038 | 33.9 | 3,133 | 15.6 | 3,060 | 6.7 |
| Age | | | | | | | | | | |
| < 15 Years | 4 | * | 7 | * | 1 | * | 5 | * | 7 | * |
| 15 - 17 Years | 159 | 38.4 | 147 | 17.0 | 44 | * | 161 | 33.5 | 142 | 9.9 |
| 18 - 19 Years | 453 | 53.0 | 380 | 25.8 | 158 | 32.9 | 445 | 25.2 | 360 | 8.3 |
| 20 - 29 Years | 2,130 | 45.3 | 2,064 | 24.5 | 701 | 34.4 | 2,027 | 13.7 | 2,002 | 6.4 |
| 30 - 39 Years | 496 | 36.5 | 548 | 24.3 | 129 | 27.9 | 463 | 8.9 | 518 | 5.4 |
| >= 40 Years | 34 | * | 32 | * | 5 | * | 30 | * | 31 | * |
| Unknown | 2 | * | 0 | * | 0 | * | 2 | * | 0 | * |
| Total | 3,278 | 44.4 | 3,178 | 24.3 | 1,038 | 33.9 | 3,133 | 15.6 | 3,060 | 6.7 |
| Education | | | | | | | | | | |
| < High School | 746 | 54.4 | 691 | 32.6 | 294 | 31.0 | 721 | 24.3 | 669 | 9.6 |
| High School | 1,358 | 50.0 | 1,263 | 29.4 | 483 | 28.0 | 1,291 | 16.7 | 1,220 | 7.5 |
| > High School | 999 | 31.2 | 1,014 | 13.7 | 229 | 48.9 | 951 | 8.1 | 971 | 3.5 |
| Unknown | 175 | 33.7 | 210 | 17.1 | 32 | * | 170 | 12.9 | 200 | 7.5 |
| Total | 3,278 | 44.4 | 3,178 | 24.3 | 1,038 | 33.9 | 3,133 | 15.6 | 3,060 | 6.7 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for smoking indicators, and data with errors for smoking and demographic indicators.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 12C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Infant Health Indicators by Race/Ethnicity, Age, or Education

| Infant Health Indicators by Race/Ethnicity, Age, or Education ⁽²⁾ | | | | | | | | | |
|--|-------------|-------------|------|----------------|------|----------------------|-----|----------------|------|
| | Birthweight | | | Preterm (5) | | Full Term LBW (6) | | Ever Breastfed | |
| | Low (3) | High (4) | | | | | | | |
| | Number | % | % | Number | % | Number | % | Number | % |
| Race/Ethnicity | | | | | | | | | |
| White, Not Hispanic | 1,412 | 8.0 | 6.7 | 1,233 | 12.5 | 1,063 | 2.2 | 1,485 | 42.0 |
| Black, Not Hispanic | 87 | * | * | 76 | * | 71 | * | 91 | * |
| Hispanic | 159 | 11.9 | 9.4 | 133 | 11.3 | 117 | 5.1 | 164 | 39.6 |
| American Indian/Alaska Native | 440 | 8.4 | 11.1 | 405 | 11.4 | 356 | 3.7 | 462 | 25.5 |
| Asian/Pacific Islander | 31 | * | * | 28 | * | 26 | * | 33 | * |
| Multiple Races | 56 | * | * | 49 | * | 46 | * | 61 | * |
| All Other/Unknown | 1 | * | * | 0 | * | 0 | * | 1 | * |
| Total | 2,186 | 8.5 | 7.8 | 1,924 | 11.7 | 1,679 | 3.0 | 2,297 | 39.7 |
| Age | | | | | | | | | |
| < 15 Years | 6 | * | * | 4 | * | 4 | * | 6 | * |
| 15 - 17 Years | 99 | * | * | 94 | * | 82 | * | 103 | 24.3 |
| 18 - 19 Years | 260 | 6.5 | 5.8 | 238 | 8.8 | 214 | 1.4 | 267 | 29.6 |
| 20 - 29 Years | 1,426 | 7.2 | 7.4 | 1,251 | 11.9 | 1,090 | 3.1 | 1,507 | 41.4 |
| 30 - 39 Years | 371 | 8.9 | 10.5 | 316 | 12.7 | 273 | 4.4 | 389 | 43.4 |
| >= 40 Years | 24 | * | * | 21 | * | 16 | * | 25 | * |
| Unknown | 0 | * | * | 0 | * | 0 | * | 0 | * |
| Total | 2,186 | 8.5 | 7.8 | 1,924 | 11.7 | 1,679 | 3.0 | 2,297 | 39.7 |
| Education | | | | | | | | | |
| < High School | 474 | 6.5 | 7.4 | 435 | 9.0 | 391 | 2.3 | 501 | 28.7 |
| High School | 852 | 7.9 | 7.4 | 758 | 11.6 | 662 | 2.9 | 904 | 36.1 |
| > High School | 732 | 6.0 | 9.0 | 622 | 13.7 | 531 | 2.4 | 760 | 50.3 |
| Unknown | 128 | 13.3 | 5.5 | 109 | 11.9 | 95 | * | 132 | 46.2 |
| Total | 2,186 | 8.5 | 7.8 | 1,924 | 11.7 | 1,679 | 3.0 | 2,297 | 39.7 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 13C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Maternal Weight Gain and Birth Outcomes by Select Health Indicators

| Maternal Weight Gain and Birth Outcomes by Select Health Indicators ⁽²⁾ | | | | | | | | | | | |
|--|--|-----------------|------|---------|----------------|------|----------|-------------|------|-------------------|-----|
| | | Weight Gain (3) | | | Birth Outcomes | | | | | | |
| | | < Ideal | | > Ideal | Birthweight | | | Preterm (6) | | Full Term LBW (7) | |
| | | | | | Low (4) | | High (5) | | | | |
| | | Number | % | % | Number | % | % | Number | % | Number | % |
| Prepregnancy BMI | | | | | | | | | | | |
| Underweight | | 81 | * | * | 51 | * | * | 52 | * | 45 | * |
| Normal Weight | | 1,213 | 19.7 | 39.3 | 751 | 7.9 | 5.7 | 749 | 10.9 | 660 | 3.2 |
| Overweight | | 741 | 9.2 | 62.9 | 480 | 9.4 | 7.1 | 485 | 12.4 | 419 | 2.9 |
| Obese | | 894 | 19.1 | 56.6 | 571 | 5.4 | 13.0 | 573 | 10.3 | 509 | 2.2 |
| Weight Gain | | | | | | | | | | | |
| < Ideal | | – | – | – | 304 | 14.8 | 3.9 | 304 | 16.1 | 253 | 7.5 |
| Ideal | | – | – | – | 597 | 7.4 | 6.2 | 603 | 12.1 | 526 | 2.7 |
| > Ideal | | – | – | – | 916 | 5.0 | 10.9 | 917 | 8.6 | 826 | 1.7 |
| Smoking During Pregnancy | | | | | | | | | | | |
| Smokers | | 660 | 20.6 | 47.9 | 427 | 8.0 | 3.3 | 428 | 8.2 | 388 | 4.1 |
| Non-Smokers | | 1,870 | 16.0 | 51.1 | 1,232 | 6.1 | 10.1 | 1,238 | 10.0 | 1,106 | 2.7 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 14C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Racial and Ethnic Distribution

Page: 16
Run Date: 6 / 27 / 11

| Summary of Trends in Racial and Ethnic Distribution ⁽²⁾ | | | | | | | | |
|---|-----------------------------------|--------------------------|--------------------------|---------------|--|--------------------------------|---------------------|------------------------|
| Year | Number Included in Analysis | White, Not Hispanic % | Black, Not Hispanic % | Hispanic % | American Indian/Alaska Native % | Asian/Pacific Islander % | Multiple Races % | All Other/Unknown % |
| 2010 | 4,100 | 67.3 | 4.5 | 7.1 | 17.0 | 1.5 | 2.6 | 0.1 |
| 2009 | 4,074 | 67.6 | 4.1 | 7.6 | 17.0 | 1.1 | 2.7 | 0.1 |
| 2008 | 4,201 | 67.8 | 3.4 | 7.3 | 17.5 | 1.2 | 2.7 | 0.0 |
| 2007 | 4,281 | 67.3 | 3.3 | 7.8 | 17.4 | 1.3 | 2.6 | 0.3 |
| 2006 | 0 | * | * | * | * | * | * | * |
| 2005 | 3,335 | 71.0 | 3.0 | 4.2 | 20.6 | 1.2 | 0.0 | 0.0 |
| 2004 | 3,242 | 74.2 | 2.8 | 4.3 | 17.5 | 1.2 | 0.0 | 0.0 |
| 2003 | 3,668 | 73.2 | 3.0 | 5.2 | 17.6 | 1.0 | 0.0 | 0.0 |
| 2002 | 3,628 | 75.2 | 2.4 | 4.0 | 17.4 | 1.0 | 0.0 | 0.0 |
| 2001 | 2,671 | 73.6 | 3.3 | 4.5 | 17.3 | 1.3 | 0.0 | 0.0 |
| 2000 | 3,556 | 76.1 | 2.5 | 4.0 | 16.0 | 1.3 | 0.0 | 0.0 |
| 1999 | 3,567 | 77.5 | 2.7 | 4.0 | 14.6 | 1.2 | 0.0 | 0.0 |
| 1998 | 3,773 | 77.4 | 2.6 | 4.7 | 14.4 | 0.9 | 0.0 | 0.0 |
| 1997 | 3,947 | 78.2 | 2.3 | 4.2 | 14.0 | 1.3 | 0.0 | 0.0 |
| 1996 | 2,573 | 79.4 | 2.3 | 3.6 | 13.0 | 1.7 | 0.0 | 0.0 |
| 1995 | 3,633 | 81.8 | 1.9 | 3.5 | 11.3 | 1.4 | 0.0 | 0.0 |
| 1994 | 0 | * | * | * | * | * | * | * |
| 1993 | 2,573 | 80.4 | 1.6 | 2.7 | 13.8 | 1.5 | 0.0 | 0.0 |
| 1992 | 988 | 78.7 | 1.9 | 2.7 | 15.5 | 1.1 | 0.0 | 0.0 |
| 1991 | 1,504 | 80.6 | 1.3 | 3.1 | 14.2 | 0.8 | 0.0 | 0.0 |
| 1990 | 2,784 | 81.0 | 1.5 | 3.2 | 13.3 | 1.0 | 0.0 | 0.0 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 14C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Racial and Ethnic Distribution

Page: 17
Run Date: 6 / 27 / 11

| Summary of Trends in Racial and Ethnic Distribution ⁽²⁾ | | | | | | | | |
|---|-----------------------------------|--------------------------|--------------------------|---------------|--|--------------------------------|---------------------|------------------------|
| Year | Number Included in Analysis | White, Not Hispanic % | Black, Not Hispanic % | Hispanic % | American Indian/Alaska Native % | Asian/Pacific Islander % | Multiple Races % | All Other/Unknown % |
| 1989 | 1,387 | 78.2 | 1.6 | 2.6 | 16.3 | 1.4 | 0.0 | 0.0 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 15C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Age Distribution

Page: 18
Run Date: 6 / 27 / 11

| Summary of Trends in Age Distribution ⁽²⁾ | | | | | | | | |
|---|-----------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------|
| Year | Number Included in Analysis | < 15 Years % | 15 - 17 Years % | 18 - 19 Years % | 20 - 29 Years % | 30 - 39 Years % | >= 40 Years % | Unknown % |
| 2010 | 4,100 | 0.2 | 4.9 | 13.1 | 64.5 | 16.2 | 1.0 | 0.0 |
| 2009 | 4,074 | 0.1 | 4.4 | 13.2 | 64.5 | 16.7 | 1.0 | 0.1 |
| 2008 | 4,201 | 0.1 | 5.0 | 12.7 | 65.7 | 15.4 | 1.0 | 0.0 |
| 2007 | 4,281 | 0.3 | 4.9 | 12.9 | 66.6 | 14.4 | 1.0 | 0.0 |
| 2006 | 0 | * | * | * | * | * | * | * |
| 2005 | 3,335 | 0.3 | 5.0 | 12.6 | 66.6 | 14.2 | 1.0 | 0.3 |
| 2004 | 3,242 | 0.2 | 4.3 | 13.2 | 64.8 | 16.1 | 0.9 | 0.4 |
| 2003 | 3,668 | 0.2 | 4.7 | 14.4 | 64.6 | 14.7 | 1.0 | 0.4 |
| 2002 | 3,628 | 0.2 | 5.1 | 15.4 | 63.2 | 14.9 | 0.9 | 0.3 |
| 2001 | 2,671 | 0.2 | 6.1 | 15.7 | 62.0 | 14.6 | 0.9 | 0.4 |
| 2000 | 3,556 | 0.1 | 5.8 | 15.9 | 60.5 | 16.0 | 1.0 | 0.6 |
| 1999 | 3,567 | 0.3 | 5.3 | 14.5 | 62.2 | 16.3 | 0.9 | 0.4 |
| 1998 | 3,773 | 0.3 | 6.5 | 13.8 | 62.1 | 15.7 | 1.0 | 0.6 |
| 1997 | 3,947 | 0.3 | 5.7 | 13.9 | 62.5 | 15.9 | 0.9 | 0.8 |
| 1996 | 2,573 | 0.3 | 5.6 | 14.7 | 61.3 | 16.6 | 0.7 | 0.8 |
| 1995 | 3,633 | 0.5 | 6.1 | 13.8 | 62.8 | 15.3 | 0.9 | 0.7 |
| 1994 | 0 | * | * | * | * | * | * | * |
| 1993 | 2,573 | 0.3 | 7.0 | 14.5 | 60.5 | 16.3 | 0.8 | 0.5 |
| 1992 | 988 | 0.3 | 6.0 | 16.7 | 59.9 | 16.1 | 0.3 | 0.7 |
| 1991 | 1,504 | 0.5 | 4.9 | 15.0 | 62.4 | 15.7 | 0.7 | 0.8 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 15C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Age Distribution

Page: 19
Run Date: 6 / 27 / 11

| Summary of Trends in Age Distribution ⁽²⁾ | | | | | | | | |
|---|-----------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------|
| Year | Number Included in Analysis | < 15 Years % | 15 - 17 Years % | 18 - 19 Years % | 20 - 29 Years % | 30 - 39 Years % | >= 40 Years % | Unknown % |
| 1990 | 2,784 | 0.1 | 5.6 | 14.4 | 64.0 | 14.5 | 0.6 | 0.8 |
| 1989 | 1,387 | 0.1 | 5.6 | 13.8 | 62.5 | 16.7 | 0.6 | 0.7 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 16C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Maternal Health Indicators

Page: 20
Run Date: 6 / 27 / 11

| Summary of Trends in Maternal Health Indicators ⁽²⁾ | | | | | | | | | | |
|---|-------------------------|-----|-------------|--------------------|------|---------|-------------------------------|------|------------|------|
| Year | Prepregnancy BMI (3) | | | Weight Gain (4) | | | Anemia (Low Hb/Hct) (5) | | | |
| | Under-weight | | Over-weight | < Ideal | | > Ideal | 3rd Trimester | | Postpartum | |
| | Number | % | % | Number | % | % | Number | % | Number | % |
| 2010 | 3,568 | 2.9 | 56.1 | 2,929 | 17.2 | 50.1 | 622 | 28.5 | 2,527 | 21.7 |
| 2009 | 3,504 | 2.8 | 56.5 | 2,990 | 15.8 | 52.6 | 636 | 27.2 | 2,030 | 21.3 |
| 2008 | 3,586 | 2.6 | 55.1 | 3,009 | 15.3 | 53.7 | 663 | 26.7 | 2,638 | 20.4 |
| 2007 | 3,532 | 2.7 | 56.1 | 2,911 | 13.9 | 55.3 | 615 | 24.4 | 3,018 | 21.2 |
| 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| 2005 | 3,162 | 4.6 | 52.9 | 2,192 | 11.7 | 55.4 | 443 | 22.3 | 1,896 | 30.4 |
| 2004 | 3,044 | 3.8 | 52.4 | 2,158 | 11.4 | 56.3 | 419 | 24.6 | 1,886 | 30.4 |
| 2003 | 3,460 | 4.6 | 50.1 | 2,447 | 12.1 | 54.5 | 472 | 21.6 | 2,133 | 25.7 |
| 2002 | 3,409 | 4.8 | 49.1 | 2,382 | 10.8 | 55.8 | 487 | 24.6 | 2,034 | 29.2 |
| 2001 | 2,523 | 5.3 | 48.2 | 1,718 | 11.5 | 54.4 | 311 | 20.3 | 1,473 | 31.0 |
| 2000 | 3,349 | 5.6 | 49.2 | 2,290 | 11.1 | 54.3 | 438 | 20.8 | 1,897 | 31.8 |
| 1999 | 3,295 | 5.2 | 46.5 | 2,195 | 13.1 | 51.5 | 451 | 22.2 | 1,954 | 26.7 |
| 1998 | 3,402 | 5.6 | 45.5 | 2,347 | 13.6 | 52.4 | 455 | 15.4 | 2,059 | 24.5 |
| 1997 | 3,044 | 5.0 | 45.3 | 2,423 | 13.9 | 52.5 | 446 | 13.5 | 2,440 | 13.3 |
| 1996 | 1,935 | 6.4 | 41.3 | 1,535 | 13.1 | 51.3 | 243 | 12.3 | 1,463 | 15.9 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 16C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Maternal Health Indicators

Page: 21
Run Date: 6 / 27 / 11

| Summary of Trends in Maternal Health Indicators ⁽²⁾ | | | | | | | | | | |
|---|-------------------------|-----|-------------|--------------------|------|---------|-------------------------------|------|------------|------|
| Year | Prepregnancy BMI (3) | | | Weight Gain (4) | | | Anemia (Low Hb/Hct) (5) | | | |
| | Under-weight | | Over-weight | < Ideal | | > Ideal | 3rd Trimester | | Postpartum | |
| | Number | % | % | Number | % | % | Number | % | Number | % |
| 1995 | 2,810 | 6.2 | 41.0 | 2,353 | 15.0 | 48.9 | 460 | 15.4 | 2,275 | 15.9 |
| 1994 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| 1993 | 2,012 | 7.1 | 39.2 | 1,758 | 19.7 | 47.0 | 330 | 16.1 | 1,653 | 13.7 |
| 1992 | 788 | 5.7 | 37.2 | 684 | 16.8 | 46.8 | 144 | 18.1 | 614 | 12.9 |
| 1991 | 1,169 | 5.6 | 33.7 | 988 | 19.2 | 44.4 | 172 | 15.7 | 696 | 13.1 |
| 1990 | 2,038 | 6.2 | 36.1 | 1,703 | 18.0 | 47.8 | 341 | 20.8 | 1,309 | 13.1 |
| 1989 | 1,062 | 6.7 | 34.7 | 867 | 18.8 | 44.3 | 221 | 20.8 | 751 | 13.4 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 17C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Maternal Behavioral Indicators

| Summary of Trends in Maternal Behavioral Indicators ⁽²⁾ | | | | | |
|---|---------------|------|---------|----------------|------|
| Year | Medical Care | | | WIC Enrollment | |
| | 1st Trimester | | No Care | 1st Trimester | |
| | Number | % | % | Number | % |
| 2010 | 2,550 | 63.5 | 27.6 | 3,592 | 45.1 |
| 2009 | 2,212 | 87.2 | 0.0 | 3,551 | 43.0 |
| 2008 | 2,182 | 87.2 | 0.0 | 3,616 | 44.2 |
| 2007 | 2,151 | 84.6 | 0.0 | 3,360 | 47.0 |
| 2006 | 0 | * | * | 0 | * |
| 2005 | 2,812 | 87.9 | 1.7 | 3,053 | 40.0 |
| 2004 | 2,782 | 87.0 | 1.9 | 2,834 | 42.7 |
| 2003 | 3,131 | 86.1 | 1.2 | 3,221 | 41.2 |
| 2002 | 3,088 | 83.6 | 3.0 | 3,151 | 41.0 |
| 2001 | 2,222 | 83.4 | 2.4 | 2,341 | 41.9 |
| 2000 | 3,019 | 83.5 | 3.5 | 3,093 | 40.1 |
| 1999 | 3,072 | 82.6 | 5.3 | 3,084 | 40.0 |
| 1998 | 3,256 | 73.6 | 16.2 | 3,244 | 40.1 |
| 1997 | 3,380 | 70.9 | 18.3 | 2,895 | 5.4 |
| 1996 | 2,173 | 73.4 | 15.8 | 1,852 | 0.8 |
| 1995 | 3,110 | 71.9 | 16.8 | 2,568 | 0.4 |
| 1994 | 0 | * | * | 0 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 17C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Maternal Behavioral Indicators

Page: 23
Run Date: 6 / 27 / 11

| Summary of Trends in Maternal Behavioral Indicators ⁽²⁾ | | | | | |
|---|---------------|------|---------|----------------|-----|
| Year | Medical Care | | | WIC Enrollment | |
| | 1st Trimester | | No Care | 1st Trimester | |
| | Number | % | % | Number | % |
| 1993 | 2,268 | 66.1 | 21.3 | 1,850 | 0.5 |
| 1992 | 882 | 68.5 | 18.1 | 718 | 0.0 |
| 1991 | 1,297 | 64.8 | 20.7 | 1,023 | 0.9 |
| 1990 | 2,335 | 63.4 | 22.8 | 1,801 | 0.4 |
| 1989 | 1,233 | 62.8 | 23.5 | 928 | 0.0 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 18C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Summary of Trends in Smoking Indicators

| Summary of Trends in Smoking Indicators (2) | | | | | | | | | | |
|---|--------------------------------|------|-------------------------------|------|---|------|----------------------|------|------------|------|
| Year | Smoking | | | | Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3) | | Smoking in Household | | | |
| | 3 Months Prior to Pregnancy | | Last 3 Months of Pregnancy | | | | Prenatal | | Postpartum | |
| | Number | % | Number | % | Number | % | Number | % | Number | % |
| 2010 | 3,278 | 44.4 | 3,178 | 24.3 | 1,038 | 33.9 | 3,133 | 15.6 | 3,060 | 6.7 |
| 2009 | 3,217 | 46.6 | 3,245 | 25.5 | 1,110 | 33.3 | 3,063 | 18.0 | 3,114 | 7.6 |
| 2008 | 3,278 | 48.1 | 3,170 | 24.4 | 1,120 | 34.5 | 3,174 | 21.7 | 3,036 | 12.1 |
| 2007 | 3,110 | 48.1 | 3,500 | 25.9 | 938 | 34.6 | 2,257 | 21.2 | 3,355 | 14.8 |
| 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| 2005 | 3,014 | 48.8 | 2,578 | 26.9 | 985 | 37.6 | 2,587 | 30.7 | 2,459 | 23.4 |
| 2004 | 2,901 | 47.7 | 2,452 | 25.1 | 894 | 36.5 | 2,511 | 32.8 | 2,376 | 28.1 |
| 2003 | 3,338 | 47.8 | 2,815 | 26.1 | 1,039 | 34.9 | 2,863 | 33.5 | 2,765 | 27.5 |
| 2002 | 3,253 | 49.2 | 2,772 | 27.5 | 1,012 | 32.3 | 2,761 | 33.1 | 2,737 | 28.6 |
| 2001 | 2,397 | 49.4 | 1,983 | 26.0 | 707 | 37.8 | 2,043 | 35.0 | 1,950 | 30.4 |
| 2000 | 3,180 | 47.8 | 2,654 | 27.2 | 917 | 33.9 | 2,635 | 33.9 | 2,609 | 30.1 |
| 1999 | 3,174 | 46.6 | 2,630 | 26.8 | 909 | 30.7 | 2,584 | 35.0 | 2,516 | 30.0 |
| 1998 | 3,322 | 47.0 | 2,842 | 26.6 | 979 | 34.0 | 2,756 | 36.9 | 2,647 | 31.6 |
| 1997 | 3,484 | 45.2 | 2,982 | 27.6 | 987 | 30.1 | 2,963 | 35.3 | 2,922 | 31.6 |
| 1996 | 2,288 | 42.4 | 1,851 | 25.0 | 561 | 31.6 | 1,897 | 35.8 | 1,813 | 30.2 |
| 1995 | 3,174 | 42.8 | 2,786 | 26.1 | 850 | 30.7 | 2,628 | 37.0 | 2,724 | 32.2 |
| 1994 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 18C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Summary of Trends in Smoking Indicators

Page: 25
Run Date: 6 / 27 / 11

| Summary of Trends in Smoking Indicators ⁽²⁾ | | | | | | | | | | |
|--|--------------------------------|------|-------------------------------|------|---|----------------------|--------|------------|--------|------|
| Year | Smoking | | | | Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3) | Smoking in Household | | | | |
| | 3 Months Prior to Pregnancy | | Last 3 Months of Pregnancy | | | Prenatal | | Postpartum | | |
| | Number | % | Number | % | Number | % | Number | % | Number | % |
| 1993 | 2,077 | 43.3 | 2,001 | 28.4 | 215 | 0.0 | 1,172 | 57.8 | 1,392 | 47.8 |
| 1992 | 739 | 47.1 | 770 | 30.3 | 98 | * | 455 | 61.8 | 431 | 56.8 |
| 1991 | 1,131 | 40.8 | 1,103 | 27.7 | 151 | 0.0 | 1,085 | 34.2 | 1,094 | 31.6 |
| 1990 | 2,052 | 41.7 | 1,986 | 29.3 | 254 | 0.0 | 1,994 | 33.9 | 1,973 | 31.2 |
| 1989 | 917 | 44.5 | 1,031 | 32.1 | 154 | 0.0 | 894 | 40.0 | 1,030 | 33.6 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 19C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Summary of Trends in Infant Health Indicators

| Summary of Trends in Infant Health Indicators (2) | | | | | | | | |
|--|-------------|-----|-------------|----------------|------|----------------------|-----|----------------|
| Year | Birthweight | | | Preterm (5) | | Full Term LBW (6) | | Ever Breastfed |
| | Low (3) | | High (4) | | | | | |
| | Number | % | % | Number | % | Number | % | Number % |
| 2010 | 2,186 | 8.5 | 7.8 | 1,924 | 11.7 | 1,679 | 3.0 | 2,297 39.7 |
| 2009 | 1,677 | 8.2 | 8.7 | 1,394 | 12.4 | 1,214 | 2.1 | 2,065 27.2 |
| 2008 | 1,902 | 8.7 | 9.5 | 1,621 | 12.3 | 1,415 | 3.0 | 1,970 32.8 |
| 2007 | 1,930 | 7.9 | 11.6 | 1,471 | 12.7 | 1,284 | 2.6 | 1,966 21.8 |
| 2006 | 0 | * | * | 0 | * | 0 | * | 0 * |
| 2005 | 2,342 | 6.7 | 9.6 | 2,141 | 11.8 | 1,816 | 2.6 | 2,439 56.8 |
| 2004 | 2,362 | 5.6 | 10.1 | 2,049 | 11.8 | 1,743 | 1.8 | 2,436 54.9 |
| 2003 | 2,758 | 6.9 | 9.8 | 2,328 | 10.6 | 2,044 | 2.1 | 2,795 54.8 |
| 2002 | 2,695 | 7.1 | 9.6 | 2,284 | 11.7 | 1,952 | 3.4 | 2,777 54.6 |
| 2001 | 1,941 | 6.1 | 10.1 | 1,666 | 10.1 | 1,450 | 2.3 | 2,012 52.6 |
| 2000 | 2,490 | 6.4 | 10.7 | 2,237 | 11.8 | 1,838 | 2.1 | 2,672 54.4 |
| 1999 | 2,508 | 6.7 | 11.0 | 2,204 | 11.3 | 1,811 | 2.1 | 2,695 50.8 |
| 1998 | 2,728 | 6.7 | 11.9 | 2,387 | 10.9 | 1,979 | 2.1 | 2,940 49.6 |
| 1997 | 2,883 | 6.1 | 12.1 | 2,493 | 9.5 | 2,113 | 2.1 | 3,080 47.8 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 19C
2010 Pregnancy Nutrition Surveillance (1)
North Dakota
Summary of Trends in Infant Health Indicators

| Summary of Trends in Infant Health Indicators ⁽²⁾ | | | | | | | | | |
|--|-------------|-----|-------------|----------------|------|----------------------|-----|----------------|-------|
| Year | Birthweight | | | Preterm (5) | | Full Term LBW (6) | | Ever Breastfed | |
| | Low (3) | | High (4) | | | | | | |
| | Number | % | % | Number | % | Number | % | Number | % |
| 1996 | 1,688 | 5.5 | 12.0 | 1,453 | 9.9 | 1,253 | 2.2 | 1,764 | 49.7 |
| 1995 | 2,507 | 5.8 | 11.2 | 2,110 | 10.0 | 1,799 | 2.1 | 2,640 | 46.4 |
| 1994 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| 1993 | 1,972 | 5.9 | 12.1 | 1,635 | 9.5 | 1,406 | 2.5 | 943 | 100.0 |
| 1992 | 787 | 4.8 | 13.5 | 650 | 9.1 | 570 | 2.3 | 367 | 100.0 |
| 1991 | 1,082 | 5.7 | 10.3 | 790 | 8.9 | 698 | 3.2 | 428 | 99.8 |
| 1990 | 1,919 | 5.7 | 13.5 | 1,458 | 7.7 | 1,304 | 3.0 | 774 | 100.0 |
| 1989 | 1,016 | 6.1 | 13.3 | 781 | 7.9 | 696 | 3.3 | 385 | 100.0 |

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 20C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 28
Run Date: 6 / 27 / 11

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

| Summary of Trends in Maternal Health Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | | |
|---|------|-------------------------|-----|-------------|--------------------|------|---------|-------------------------------|------|------------|------|
| Race/Ethnicity and Year | | Prepregnancy BMI (3) | | | Weight Gain (4) | | | Anemia (Low Hb/Hct) (5) | | | |
| | | Under-weight | | Over-weight | < Ideal | | > Ideal | 3rd Trimester | | Postpartum | |
| | | Number | % | % | Number | % | % | Number | % | Number | % |
| White, Not Hispanic | 2010 | 2,374 | 3.1 | 55.5 | 1,962 | 15.6 | 51.4 | 416 | 23.8 | 1,692 | 18.9 |
| | 2009 | 2,354 | 2.8 | 55.4 | 2,004 | 14.3 | 54.0 | 457 | 23.0 | 1,427 | 17.4 |
| | 2008 | 2,411 | 2.8 | 54.2 | 2,037 | 14.8 | 53.9 | 463 | 21.4 | 1,850 | 16.4 |
| | 2007 | 2,353 | 3.1 | 54.1 | 1,951 | 12.7 | 55.8 | 415 | 18.6 | 2,087 | 16.7 |
| | 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2005 | 2,255 | 5.1 | 51.4 | 1,593 | 11.6 | 55.7 | 312 | 17.9 | 1,408 | 28.1 |
| | 2004 | 2,253 | 4.0 | 52.0 | 1,632 | 11.1 | 55.3 | 299 | 21.7 | 1,426 | 27.9 |
| | 2003 | 2,534 | 4.9 | 48.5 | 1,834 | 11.2 | 54.1 | 332 | 16.9 | 1,557 | 25.4 |
| | 2002 | 2,561 | 5.2 | 48.0 | 1,832 | 10.7 | 55.8 | 351 | 22.8 | 1,530 | 28.3 |
| | 2001 | 1,851 | 5.9 | 46.6 | 1,279 | 11.0 | 54.1 | 218 | 18.3 | 1,097 | 29.6 |
| Black, Not Hispanic | 2010 | 162 | 3.7 | 55.6 | 131 | 38.2 | 28.2 | 30 | * | 113 | 31.0 |
| | 2009 | 137 | 3.6 | 58.4 | 118 | 25.4 | 35.6 | 20 | * | 84 | * |
| | 2008 | 122 | 1.6 | 50.8 | 103 | 32.0 | 32.0 | 24 | * | 91 | * |
| | 2007 | 115 | 2.6 | 54.8 | 92 | * | * | 21 | * | 106 | 32.1 |
| | 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2005 | 94 | * | * | 64 | * | * | 13 | * | 57 | * |
| | 2004 | 80 | * | * | 50 | * | * | 18 | * | 51 | * |
| | 2003 | 99 | * | * | 70 | * | * | 15 | * | 70 | * |
| | 2002 | 80 | * | * | 51 | * | * | 14 | * | 50 | * |
| | 2001 | 79 | * | * | 59 | * | * | 10 | * | 46 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 20C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 29
Run Date: 6 / 27 / 11

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

| Summary of Trends in Maternal Health Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | | |
|--|------|-------------------------|-----|-------------|--------------------|------|---------|-------------------------------|------|------------|------|
| Race/Ethnicity and Year | | Prepregnancy BMI (3) | | | Weight Gain (4) | | | Anemia (Low Hb/Hct) (5) | | | |
| | | Under-weight | | Over-weight | < Ideal | | > Ideal | 3rd Trimester | | Postpartum | |
| | | Number | % | % | Number | % | % | Number | % | Number | % |
| Hispanic | 2010 | 257 | 2.3 | 51.8 | 206 | 19.9 | 48.1 | 47 | * | 168 | 23.2 |
| | 2009 | 254 | 1.2 | 55.9 | 207 | 16.9 | 51.7 | 43 | * | 135 | 27.4 |
| | 2008 | 250 | 2.4 | 54.8 | 200 | 15.0 | 55.5 | 48 | * | 171 | 29.8 |
| | 2007 | 273 | 1.8 | 59.3 | 202 | 15.3 | 52.5 | 47 | * | 205 | 29.3 |
| | 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2005 | 125 | 2.4 | 59.2 | 68 | * | * | 15 | * | 58 | * |
| | 2004 | 131 | 4.6 | 51.1 | 65 | * | * | 18 | * | 58 | * |
| | 2003 | 171 | 3.5 | 60.8 | 101 | 15.8 | 56.4 | 22 | * | 85 | * |
| | 2002 | 132 | 7.6 | 50.0 | 66 | * | * | 16 | * | 54 | * |
| | 2001 | 112 | 0.9 | 50.9 | 55 | * | * | 16 | * | 45 | * |
| American Indian/Alaska Native | 2010 | 630 | 1.9 | 64.0 | 519 | 15.8 | 52.2 | 93 | * | 449 | 28.1 |
| | 2009 | 631 | 2.9 | 62.4 | 556 | 18.2 | 51.1 | 97 | * | 313 | 32.3 |
| | 2008 | 659 | 1.7 | 60.4 | 551 | 14.5 | 55.9 | 95 | * | 414 | 31.4 |
| | 2007 | 659 | 2.1 | 62.5 | 564 | 15.8 | 56.0 | 105 | 38.1 | 503 | 32.8 |
| | 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2005 | 650 | 2.6 | 59.5 | 442 | 10.9 | 57.2 | 97 | * | 350 | 37.1 |
| | 2004 | 544 | 2.8 | 57.5 | 387 | 10.1 | 64.9 | 77 | * | 340 | 35.6 |
| | 2003 | 620 | 2.9 | 55.3 | 416 | 13.2 | 57.7 | 100 | 34.0 | 400 | 25.0 |
| | 2002 | 601 | 2.3 | 55.4 | 403 | 9.4 | 58.8 | 97 | * | 373 | 28.7 |
| | 2001 | 448 | 4.0 | 56.9 | 299 | 8.7 | 60.9 | 63 | * | 265 | 30.6 |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 20C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 30
Run Date: 6 / 27 / 11

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

| Summary of Trends in Maternal Health Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | | |
|--|------|--------------------------|-----|-----------------|--------------------|---|---------|-------------------------------|---|------------|---|
| Race/Ethnicity and Year | | Pregpregnancy BMI (3) | | | Weight Gain (4) | | | Anemia (Low Hb/Hct) (5) | | | |
| | | Under- weight | | Over- weight | < Ideal | | > Ideal | 3rd Trimester | | Postpartum | |
| | | Number | % | % | Number | % | % | Number | % | Number | % |
| Asian/Pacific Islander | 2010 | 51 | * | * | 41 | * | * | 15 | * | 40 | * |
| | 2009 | 35 | * | * | 28 | * | * | 9 | * | 13 | * |
| | 2008 | 41 | * | * | 33 | * | * | 12 | * | 31 | * |
| | 2007 | 37 | * | * | 28 | * | * | 7 | * | 39 | * |
| | 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2005 | 38 | * | * | 25 | * | * | 6 | * | 23 | * |
| | 2004 | 36 | * | * | 24 | * | * | 7 | * | 11 | * |
| | 2003 | 36 | * | * | 26 | * | * | 3 | * | 21 | * |
| | 2002 | 35 | * | * | 30 | * | * | 9 | * | 27 | * |
| | 2001 | 33 | * | * | 26 | * | * | 4 | * | 20 | * |
| Multiple Races | 2010 | 94 | * | * | 70 | * | * | 21 | * | 64 | * |
| | 2009 | 90 | * | * | 77 | * | * | 10 | * | 57 | * |
| | 2008 | 101 | 3.0 | 53.5 | 84 | * | * | 21 | * | 80 | * |
| | 2007 | 88 | * | * | 73 | * | * | 20 | * | 78 | * |
| | 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2005 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2004 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2003 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2002 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |
| | 2001 | 0 | * | * | 0 | * | * | 0 | * | 0 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 20C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 31
Run Date: 6 / 27 / 11

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

| Summary of Trends in Maternal Health Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | |
|---|------|-------------------------|-----|-------------|--------------------|------|---------|-------------------------------|------|------------|
| Race/Ethnicity and Year | | Prepregnancy BMI (3) | | | Weight Gain (4) | | | Anemia (Low Hb/Hct) (5) | | |
| | | Under-weight | | Over-weight | < Ideal | | > Ideal | 3rd Trimester | | Postpartum |
| | | Number | % | % | Number | % | % | Number | % | Number % |
| All Other/Unknown | 2010 | 0 | * | * | 0 | * | * | 0 | * | 1 * |
| | 2009 | 3 | * | * | 0 | * | * | 0 | * | 1 * |
| | 2008 | 2 | * | * | 1 | * | * | 0 | * | 1 * |
| | 2007 | 7 | * | * | 1 | * | * | 0 | * | 0 * |
| | 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 * |
| | 2005 | 0 | * | * | 0 | * | * | 0 | * | 0 * |
| | 2004 | 0 | * | * | 0 | * | * | 0 | * | 0 * |
| | 2003 | 0 | * | * | 0 | * | * | 0 | * | 0 * |
| | 2002 | 0 | * | * | 0 | * | * | 0 | * | 0 * |
| | 2001 | 0 | * | * | 0 | * | * | 0 | * | 0 * |
| Total All Race/Ethnic Groups | 2010 | 3,568 | 2.9 | 56.1 | 2,929 | 17.2 | 50.1 | 622 | 28.5 | 2,527 21.7 |
| | 2009 | 3,504 | 2.8 | 56.5 | 2,990 | 15.8 | 52.6 | 636 | 27.2 | 2,030 21.3 |
| | 2008 | 3,586 | 2.6 | 55.1 | 3,009 | 15.3 | 53.7 | 663 | 26.7 | 2,638 20.4 |
| | 2007 | 3,532 | 2.7 | 56.1 | 2,911 | 13.9 | 55.3 | 615 | 24.4 | 3,018 21.2 |
| | 2006 | 0 | * | * | 0 | * | * | 0 | * | 0 * |
| | 2005 | 3,162 | 4.6 | 52.9 | 2,192 | 11.7 | 55.4 | 443 | 22.3 | 1,896 30.4 |
| | 2004 | 3,044 | 3.8 | 52.4 | 2,158 | 11.4 | 56.3 | 419 | 24.6 | 1,886 30.4 |
| | 2003 | 3,460 | 4.6 | 50.1 | 2,447 | 12.1 | 54.5 | 472 | 21.6 | 2,133 25.7 |
| | 2002 | 3,409 | 4.8 | 49.1 | 2,382 | 10.8 | 55.8 | 487 | 24.6 | 2,034 29.2 |
| | 2001 | 2,523 | 5.3 | 48.2 | 1,718 | 11.5 | 54.4 | 311 | 20.3 | 1,473 31.0 |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 21C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 32
Run Date: 6 / 27 / 11

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

| Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity ⁽²⁾ | | | | | | |
|---|------|---------------|------|---------|----------------|------|
| Race/Ethnicity and Year | | Medical Care | | | WIC Enrollment | |
| | | 1st Trimester | | No Care | 1st Trimester | |
| | | Number | % | % | Number | % |
| White, Not Hispanic | 2010 | 1,669 | 66.9 | 26.2 | 2,378 | 45.3 |
| | 2009 | 1,462 | 89.7 | 0.0 | 2,381 | 42.5 |
| | 2008 | 1,497 | 89.8 | 0.0 | 2,427 | 44.1 |
| | 2007 | 1,444 | 87.2 | 0.0 | 2,233 | 46.8 |
| | 2006 | 0 | * | * | 0 | * |
| | 2005 | 2,030 | 90.0 | 1.3 | 2,153 | 41.1 |
| | 2004 | 2,095 | 90.0 | 1.6 | 2,079 | 42.9 |
| | 2003 | 2,329 | 88.3 | 1.1 | 2,326 | 41.6 |
| | 2002 | 2,370 | 85.8 | 3.0 | 2,333 | 41.0 |
| | 2001 | 1,659 | 86.1 | 2.1 | 1,698 | 42.0 |
| Black, Not Hispanic | 2010 | 112 | 54.5 | 32.1 | 164 | 40.9 |
| | 2009 | 94 | * | * | 141 | 44.0 |
| | 2008 | 57 | * | * | 121 | 47.9 |
| | 2007 | 58 | * | * | 111 | 41.4 |
| | 2006 | 0 | * | * | 0 | * |
| | 2005 | 82 | * | * | 91 | * |
| | 2004 | 72 | * | * | 83 | * |
| | 2003 | 88 | * | * | 103 | 32.0 |
| | 2002 | 69 | * | * | 80 | * |
| | 2001 | 76 | * | * | 77 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 21C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 33
Run Date: 6 / 27 / 11

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

| Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity ⁽²⁾ | | | | | | |
|---|------|---------------|------|---------|----------------|------|
| Race/Ethnicity and Year | | Medical Care | | | WIC Enrollment | |
| | | 1st Trimester | | No Care | 1st Trimester | |
| | | Number | % | % | Number | % |
| Hispanic | 2010 | 186 | 62.4 | 25.8 | 253 | 45.5 |
| | 2009 | 154 | 86.4 | 0.0 | 254 | 43.7 |
| | 2008 | 132 | 88.6 | 0.0 | 253 | 44.7 |
| | 2007 | 142 | 87.3 | 0.0 | 263 | 48.7 |
| | 2006 | 0 | * | * | 0 | * |
| | 2005 | 96 | * | * | 128 | 39.8 |
| | 2004 | 95 | * | * | 124 | 46.8 |
| | 2003 | 135 | 82.2 | 2.2 | 165 | 41.8 |
| | 2002 | 96 | * | * | 127 | 42.5 |
| | 2001 | 77 | * | * | 112 | 33.0 |
| American Indian/Alaska Native | 2010 | 478 | 53.3 | 33.3 | 643 | 45.3 |
| | 2009 | 426 | 79.6 | 0.0 | 641 | 44.5 |
| | 2008 | 409 | 77.3 | 0.0 | 667 | 44.5 |
| | 2007 | 432 | 76.2 | 0.0 | 616 | 47.1 |
| | 2006 | 0 | * | * | 0 | * |
| | 2005 | 572 | 78.8 | 3.7 | 645 | 36.9 |
| | 2004 | 488 | 74.2 | 3.5 | 518 | 42.3 |
| | 2003 | 549 | 77.8 | 1.6 | 596 | 40.8 |
| | 2002 | 518 | 73.9 | 3.5 | 577 | 41.6 |
| | 2001 | 380 | 73.9 | 3.4 | 427 | 43.6 |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 21C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 34
Run Date: 6 / 27 / 11

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

| Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity ⁽²⁾ | | | | | | |
|---|------|---------------|---|---------|----------------|------|
| Race/Ethnicity and Year | | Medical Care | | | WIC Enrollment | |
| | | 1st Trimester | | No Care | 1st Trimester | |
| | | Number | % | % | Number | % |
| Asian/Pacific Islander | 2010 | 40 | * | * | 54 | * |
| | 2009 | 18 | * | * | 37 | * |
| | 2008 | 23 | * | * | 44 | * |
| | 2007 | 21 | * | * | 38 | * |
| | 2006 | 0 | * | * | 0 | * |
| | 2005 | 32 | * | * | 36 | * |
| | 2004 | 32 | * | * | 30 | * |
| | 2003 | 30 | * | * | 31 | * |
| | 2002 | 35 | * | * | 34 | * |
| | 2001 | 30 | * | * | 27 | * |
| Multiple Races | 2010 | 65 | * | * | 99 | * |
| | 2009 | 58 | * | * | 92 | * |
| | 2008 | 64 | * | * | 102 | 45.1 |
| | 2007 | 54 | * | * | 91 | * |
| | 2006 | 0 | * | * | 0 | * |
| | 2005 | 0 | * | * | 0 | * |
| | 2004 | 0 | * | * | 0 | * |
| | 2003 | 0 | * | * | 0 | * |
| | 2002 | 0 | * | * | 0 | * |
| | 2001 | 0 | * | * | 0 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 21C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 35
Run Date: 6 / 27 / 11

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

| Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity ⁽²⁾ | | | | | | |
|---|------|---------------|------|---------|----------------|------|
| Race/Ethnicity and Year | | Medical Care | | | WIC Enrollment | |
| | | 1st Trimester | | No Care | 1st Trimester | |
| | | Number | % | % | Number | % |
| All Other/Unknown | 2010 | 0 | * | * | 1 | * |
| | 2009 | 0 | * | * | 5 | * |
| | 2008 | 0 | * | * | 2 | * |
| | 2007 | 0 | * | * | 8 | * |
| | 2006 | 0 | * | * | 0 | * |
| | 2005 | 0 | * | * | 0 | * |
| | 2004 | 0 | * | * | 0 | * |
| | 2003 | 0 | * | * | 0 | * |
| | 2002 | 0 | * | * | 0 | * |
| | 2001 | 0 | * | * | 0 | * |
| Total All Race/Ethnic Groups | 2010 | 2,550 | 63.5 | 27.6 | 3,592 | 45.1 |
| | 2009 | 2,212 | 87.2 | 0.0 | 3,551 | 43.0 |
| | 2008 | 2,182 | 87.2 | 0.0 | 3,616 | 44.2 |
| | 2007 | 2,151 | 84.6 | 0.0 | 3,360 | 47.0 |
| | 2006 | 0 | * | * | 0 | * |
| | 2005 | 2,812 | 87.9 | 1.7 | 3,053 | 40.0 |
| | 2004 | 2,782 | 87.0 | 1.9 | 2,834 | 42.7 |
| | 2003 | 3,131 | 86.1 | 1.2 | 3,221 | 41.2 |
| | 2002 | 3,088 | 83.6 | 3.0 | 3,151 | 41.0 |
| | 2001 | 2,222 | 83.4 | 2.4 | 2,341 | 41.9 |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 22C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Smoking Indicators by Race/Ethnicity

Page: 36
Run Date: 6 / 27 / 11

| Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | | |
|--|------|--------------------------------|------|-------------------------------|------|---|------|----------------------|------|------------|------|
| Race/Ethnicity and Year | | Smoking | | | | Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3) | | Smoking in Household | | | |
| | | 3 Months Prior to Pregnancy | | Last 3 Months of Pregnancy | | | | Prenatal | | Postpartum | |
| | | Number | % | Number | % | Number | % | Number | % | Number | % |
| White, Not Hispanic | 2010 | 2,149 | 44.6 | 2,145 | 23.8 | 670 | 32.8 | 2,060 | 14.8 | 2,067 | 6.8 |
| | 2009 | 2,125 | 46.5 | 2,209 | 25.3 | 739 | 33.4 | 2,028 | 17.1 | 2,107 | 7.7 |
| | 2008 | 2,193 | 46.9 | 2,173 | 23.8 | 736 | 34.8 | 2,118 | 21.3 | 2,083 | 12.9 |
| | 2007 | 2,065 | 47.7 | 2,375 | 26.5 | 603 | 31.0 | 1,501 | 20.7 | 2,273 | 15.9 |
| | 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 2,144 | 48.2 | 1,869 | 25.9 | 692 | 38.3 | 1,822 | 31.6 | 1,772 | 24.7 |
| | 2004 | 2,153 | 46.7 | 1,862 | 23.7 | 639 | 36.9 | 1,828 | 32.0 | 1,795 | 29.4 |
| | 2003 | 2,424 | 47.3 | 2,101 | 25.6 | 757 | 35.1 | 2,049 | 33.5 | 2,058 | 28.6 |
| | 2002 | 2,429 | 47.1 | 2,134 | 25.9 | 720 | 33.6 | 2,023 | 32.9 | 2,103 | 27.7 |
| | 2001 | 1,748 | 48.8 | 1,472 | 25.3 | 504 | 38.3 | 1,478 | 35.5 | 1,448 | 31.4 |
| Black, Not Hispanic | 2010 | 146 | 8.9 | 143 | 3.5 | 7 | * | 140 | 2.1 | 128 | 0.8 |
| | 2009 | 132 | 7.6 | 133 | 5.3 | 5 | * | 122 | 5.7 | 127 | 1.6 |
| | 2008 | 106 | 9.4 | 107 | 3.7 | 4 | * | 101 | 8.9 | 94 | * |
| | 2007 | 98 | * | 112 | 5.4 | 7 | * | 72 | * | 103 | 9.7 |
| | 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 90 | * | 78 | * | 5 | * | 77 | * | 76 | * |
| | 2004 | 79 | * | 65 | * | 8 | * | 74 | * | 64 | * |
| | 2003 | 100 | 16.0 | 85 | * | 6 | * | 91 | * | 85 | * |
| | 2002 | 79 | * | 64 | * | 9 | * | 73 | * | 64 | * |
| | 2001 | 81 | * | 72 | * | 10 | * | 66 | * | 70 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 22C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Smoking Indicators by Race/Ethnicity

Page: 37
Run Date: 6 / 27 / 11

| Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | | |
|--|------|--------------------------------|------|-------------------------------|------|---|------|----------------------|------|------------|------|
| Race/Ethnicity and Year | | Smoking | | | | Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3) | | Smoking in Household | | | |
| | | 3 Months Prior to Pregnancy | | Last 3 Months of Pregnancy | | | | Prenatal | | Postpartum | |
| | | Number | % | Number | % | Number | % | Number | % | Number | % |
| Hispanic | 2010 | 234 | 29.5 | 209 | 14.8 | 48 | * | 220 | 13.6 | 204 | 6.9 |
| | 2009 | 232 | 30.6 | 228 | 14.0 | 44 | * | 221 | 14.0 | 220 | 6.8 |
| | 2008 | 225 | 34.2 | 219 | 13.2 | 55 | * | 223 | 14.3 | 207 | 11.1 |
| | 2007 | 233 | 32.2 | 239 | 15.1 | 42 | * | 170 | 21.8 | 226 | 11.9 |
| | 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 121 | 18.2 | 84 | * | 11 | * | 106 | 21.7 | 81 | * |
| | 2004 | 122 | 21.3 | 69 | * | 14 | * | 112 | 33.0 | 68 | * |
| | 2003 | 168 | 17.9 | 119 | 12.6 | 13 | * | 142 | 23.9 | 118 | 18.6 |
| | 2002 | 127 | 26.8 | 80 | * | 20 | * | 109 | 21.1 | 80 | * |
| 2001 | 105 | 21.0 | 64 | * | 9 | * | 88 | * | 63 | * | |
| American Indian/Alaska Native | 2010 | 608 | 58.9 | 558 | 36.4 | 276 | 33.7 | 580 | 23.6 | 546 | 7.9 |
| | 2009 | 598 | 62.0 | 550 | 35.8 | 280 | 33.9 | 571 | 23.6 | 538 | 8.9 |
| | 2008 | 619 | 64.3 | 551 | 35.6 | 278 | 29.9 | 605 | 29.1 | 539 | 11.7 |
| | 2007 | 595 | 61.3 | 638 | 32.3 | 248 | 40.7 | 430 | 23.5 | 620 | 12.9 |
| | 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 623 | 63.6 | 518 | 37.6 | 275 | 33.5 | 550 | 33.6 | 501 | 23.8 |
| | 2004 | 517 | 63.4 | 427 | 37.5 | 228 | 32.0 | 476 | 39.3 | 422 | 27.5 |
| | 2003 | 613 | 64.1 | 481 | 36.6 | 256 | 32.8 | 551 | 40.7 | 475 | 28.6 |
| | 2002 | 587 | 67.3 | 462 | 41.3 | 255 | 25.9 | 526 | 38.4 | 459 | 36.2 |
| 2001 | 432 | 66.7 | 347 | 37.2 | 182 | 34.1 | 388 | 38.1 | 343 | 30.3 | |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 22C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Smoking Indicators by Race/Ethnicity

Page: 38
Run Date: 6 / 27 / 11

| Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | | |
|--|------|--------------------------------|----|-------------------------------|---|---|----------------------|------------|--------|----|---|
| Race/Ethnicity and Year | | Smoking | | | | Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3) | Smoking in Household | | | | |
| | | 3 Months Prior to Pregnancy | | Last 3 Months of Pregnancy | | | Prenatal | Postpartum | | | |
| | | Number | % | Number | % | | Number | % | Number | % | |
| Asian/Pacific Islander | 2010 | 50 | * | 44 | * | 4 | * | 47 | * | 41 | * |
| | 2009 | 33 | * | 34 | * | 4 | * | 33 | * | 32 | * |
| | 2008 | 39 | * | 36 | * | 8 | * | 35 | * | 33 | * |
| | 2007 | 35 | * | 42 | * | 5 | * | 24 | * | 40 | * |
| | 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 36 | * | 29 | * | 2 | * | 32 | * | 29 | * |
| | 2004 | 30 | * | 29 | * | 5 | * | 21 | * | 27 | * |
| | 2003 | 33 | * | 29 | * | 7 | * | 30 | * | 29 | * |
| | 2002 | 31 | * | 32 | * | 8 | * | 30 | * | 31 | * |
| 2001 | 31 | * | 28 | * | 2 | * | 23 | * | 26 | * | |
| Multiple Races | 2010 | 91 | * | 78 | * | 33 | * | 86 | * | 73 | * |
| | 2009 | 94 | * | 91 | * | 38 | * | 85 | * | 90 | * |
| | 2008 | 96 | * | 84 | * | 39 | * | 92 | * | 80 | * |
| | 2007 | 84 | * | 94 | * | 33 | * | 60 | * | 93 | * |
| | 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2004 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2003 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2002 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2001 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 22C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Summary of Trends in Smoking Indicators by Race/Ethnicity

Page: 39
Run Date: 6 / 27 / 11

| Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | | |
|--|-------|--------------------------------|-------|-------------------------------|------|---|-------|----------------------|-------|------------|------|
| Race/Ethnicity and Year | | Smoking | | | | Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3) | | Smoking in Household | | | |
| | | 3 Months Prior to Pregnancy | | Last 3 Months of Pregnancy | | | | Prenatal | | Postpartum | |
| | | Number | % | Number | % | Number | % | Number | % | Number | % |
| All Other/Unknown | 2010 | 0 | * | 1 | * | 0 | * | 0 | * | 1 | * |
| | 2009 | 3 | * | 0 | * | 0 | * | 3 | * | 0 | * |
| | 2008 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2007 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2004 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2003 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2002 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| 2001 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * | |
| Total All Race/Ethnic Groups | 2010 | 3,278 | 44.4 | 3,178 | 24.3 | 1,038 | 33.9 | 3,133 | 15.6 | 3,060 | 6.7 |
| | 2009 | 3,217 | 46.6 | 3,245 | 25.5 | 1,110 | 33.3 | 3,063 | 18.0 | 3,114 | 7.6 |
| | 2008 | 3,278 | 48.1 | 3,170 | 24.4 | 1,120 | 34.5 | 3,174 | 21.7 | 3,036 | 12.1 |
| | 2007 | 3,110 | 48.1 | 3,500 | 25.9 | 938 | 34.6 | 2,257 | 21.2 | 3,355 | 14.8 |
| | 2006 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 3,014 | 48.8 | 2,578 | 26.9 | 985 | 37.6 | 2,587 | 30.7 | 2,459 | 23.4 |
| | 2004 | 2,901 | 47.7 | 2,452 | 25.1 | 894 | 36.5 | 2,511 | 32.8 | 2,376 | 28.1 |
| | 2003 | 3,338 | 47.8 | 2,815 | 26.1 | 1,039 | 34.9 | 2,863 | 33.5 | 2,765 | 27.5 |
| | 2002 | 3,253 | 49.2 | 2,772 | 27.5 | 1,012 | 32.3 | 2,761 | 33.1 | 2,737 | 28.6 |
| 2001 | 2,397 | 49.4 | 1,983 | 26.0 | 707 | 37.8 | 2,043 | 35.0 | 1,950 | 30.4 | |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 23C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾

Page: 40
Run Date: 6 / 27 / 11

North Dakota

Summary of Trends in Infant Health Indicators by Race/Ethnicity

| Summary of Trends in Infant Health Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | |
|---|------|-------------|-----|-------------|----------------|------|----------------------|-----|----------------|------|
| Race/Ethnicity and Year | | Birthweight | | | Preterm (5) | | Full Term LBW (6) | | Ever Breastfed | |
| | | Low (3) | | High (4) | | | | | | |
| | | Number | % | % | Number | % | Number | % | Number | % |
| White, Not Hispanic | 2010 | 1,412 | 8.0 | 6.7 | 1,233 | 12.5 | 1,063 | 2.2 | 1,485 | 42.0 |
| | 2009 | 1,127 | 9.5 | 8.2 | 918 | 12.5 | 799 | 2.6 | 1,358 | 29.9 |
| | 2008 | 1,295 | 9.4 | 8.8 | 1,095 | 12.3 | 957 | 3.1 | 1,332 | 34.6 |
| | 2007 | 1,266 | 8.4 | 10.1 | 953 | 11.5 | 843 | 2.6 | 1,284 | 23.3 |
| | 2006 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 1,787 | 6.8 | 9.1 | 1,634 | 11.2 | 1,390 | 2.6 | 1,866 | 58.0 |
| | 2004 | 1,861 | 5.6 | 9.9 | 1,600 | 11.7 | 1,361 | 1.8 | 1,917 | 57.2 |
| | 2003 | 2,096 | 7.0 | 9.2 | 1,749 | 10.6 | 1,540 | 2.1 | 2,121 | 57.5 |
| | 2002 | 2,101 | 6.9 | 8.8 | 1,774 | 11.4 | 1,516 | 3.2 | 2,167 | 57.4 |
| | 2001 | 1,484 | 6.3 | 9.4 | 1,263 | 9.7 | 1,101 | 2.3 | 1,539 | 55.0 |
| Black, Not Hispanic | 2010 | 87 | * | * | 76 | * | 71 | * | 91 | * |
| | 2009 | 58 | * | * | 54 | * | 46 | * | 73 | * |
| | 2008 | 53 | * | * | 43 | * | 39 | * | 54 | * |
| | 2007 | 52 | * | * | 39 | * | 31 | * | 54 | * |
| | 2006 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 71 | * | * | 65 | * | 54 | * | 74 | * |
| | 2004 | 63 | * | * | 58 | * | 53 | * | 65 | * |
| | 2003 | 77 | * | * | 72 | * | 64 | * | 78 | * |
| | 2002 | 66 | * | * | 60 | * | 51 | * | 69 | * |
| | 2001 | 67 | * | * | 56 | * | 53 | * | 69 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 23C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾

Page: 41
Run Date: 6 / 27 / 11

North Dakota

Summary of Trends in Infant Health Indicators by Race/Ethnicity

| Summary of Trends in Infant Health Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | |
|---|------|-------------|------|-------------|----------------|------|----------------------|-----|----------------|------|
| Race/Ethnicity and Year | | Birthweight | | | Preterm (5) | | Full Term LBW (6) | | Ever Breastfed | |
| | | Low (3) | | High (4) | | | | | | |
| | | Number | % | % | Number | % | Number | % | Number | % |
| Hispanic | 2010 | 159 | 11.9 | 9.4 | 133 | 11.3 | 117 | 5.1 | 164 | 39.6 |
| | 2009 | 119 | 2.5 | 7.6 | 92 | * | 82 | * | 139 | 25.2 |
| | 2008 | 129 | 7.0 | 7.0 | 106 | 10.4 | 95 | * | 133 | 34.6 |
| | 2007 | 124 | 7.3 | 7.3 | 98 | * | 87 | * | 126 | 26.2 |
| | 2006 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 81 | * | * | 76 | * | 67 | * | 84 | * |
| | 2004 | 75 | * | * | 64 | * | 52 | * | 78 | * |
| | 2003 | 122 | 4.9 | 9.0 | 99 | * | 89 | * | 123 | 58.5 |
| | 2002 | 81 | * | * | 66 | * | 53 | * | 84 | * |
| | 2001 | 63 | * | * | 60 | * | 50 | * | 70 | * |
| American Indian/Alaska Native | 2010 | 440 | 8.4 | 11.1 | 405 | 11.4 | 356 | 3.7 | 462 | 25.5 |
| | 2009 | 313 | 6.4 | 12.5 | 282 | 13.1 | 244 | 1.2 | 420 | 14.0 |
| | 2008 | 352 | 7.4 | 13.1 | 313 | 14.1 | 265 | 3.0 | 377 | 19.4 |
| | 2007 | 424 | 6.1 | 17.9 | 334 | 14.1 | 287 | 2.1 | 436 | 12.6 |
| | 2006 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 374 | 6.4 | 13.1 | 340 | 14.4 | 283 | 2.5 | 386 | 42.7 |
| | 2004 | 337 | 5.9 | 13.6 | 309 | 12.6 | 263 | 1.9 | 348 | 34.8 |
| | 2003 | 438 | 6.8 | 14.6 | 387 | 11.4 | 333 | 2.1 | 447 | 36.0 |
| | 2002 | 417 | 7.2 | 14.9 | 356 | 12.6 | 307 | 3.6 | 427 | 36.8 |
| | 2001 | 303 | 5.9 | 14.9 | 268 | 12.3 | 231 | 2.6 | 308 | 34.7 |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 23C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota

Page: 42
Run Date: 6 / 27 / 11

Summary of Trends in Infant Health Indicators by Race/Ethnicity

| Summary of Trends in Infant Health Indicators by Race/Ethnicity (2) | | | | | | | | | | |
|---|------|-------------|---|----------|-------------|---|-------------------|---|----------------|---|
| Race/Ethnicity and Year | | Birthweight | | | Preterm (5) | | Full Term LBW (6) | | Ever Breastfed | |
| | | Low (3) | | High (4) | | | | | | |
| | | Number | % | % | Number | % | Number | % | Number | % |
| Asian/Pacific Islander | 2010 | 31 | * | * | 28 | * | 26 | * | 33 | * |
| | 2009 | 13 | * | * | 9 | * | 9 | * | 17 | * |
| | 2008 | 24 | * | * | 20 | * | 18 | * | 24 | * |
| | 2007 | 17 | * | * | 10 | * | 8 | * | 17 | * |
| | 2006 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 29 | * | * | 26 | * | 22 | * | 29 | * |
| | 2004 | 26 | * | * | 18 | * | 14 | * | 28 | * |
| | 2003 | 25 | * | * | 21 | * | 18 | * | 26 | * |
| | 2002 | 30 | * | * | 28 | * | 25 | * | 30 | * |
| | 2001 | 24 | * | * | 19 | * | 15 | * | 26 | * |
| Multiple Races | 2010 | 56 | * | * | 49 | * | 46 | * | 61 | * |
| | 2009 | 47 | * | * | 39 | * | 34 | * | 58 | * |
| | 2008 | 49 | * | * | 44 | * | 41 | * | 50 | * |
| | 2007 | 47 | * | * | 37 | * | 28 | * | 49 | * |
| | 2006 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2004 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2003 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2002 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2001 | 0 | * | * | 0 | * | 0 | * | 0 | * |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 23C
2010 Pregnancy Nutrition Surveillance ⁽¹⁾

Page: 43
Run Date: 6 / 27 / 11

North Dakota

Summary of Trends in Infant Health Indicators by Race/Ethnicity

| Summary of Trends in Infant Health Indicators by Race/Ethnicity ⁽²⁾ | | | | | | | | | | |
|---|------|-------------|-----|-------------|----------------|------|----------------------|-----|----------------|------|
| Race/Ethnicity and Year | | Birthweight | | | Preterm (5) | | Full Term LBW (6) | | Ever Breastfed | |
| | | Low (3) | | High (4) | | | | | | |
| | | Number | % | % | Number | % | Number | % | Number | % |
| All Other/Unknown | 2010 | 1 | * | * | 0 | * | 0 | * | 1 | * |
| | 2009 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2008 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2007 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2006 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2004 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2003 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2002 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2001 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| Total All Race/Ethnic Groups | 2010 | 2,186 | 8.5 | 7.8 | 1,924 | 11.7 | 1,679 | 3.0 | 2,297 | 39.7 |
| | 2009 | 1,677 | 8.2 | 8.7 | 1,394 | 12.4 | 1,214 | 2.1 | 2,065 | 27.2 |
| | 2008 | 1,902 | 8.7 | 9.5 | 1,621 | 12.3 | 1,415 | 3.0 | 1,970 | 32.8 |
| | 2007 | 1,930 | 7.9 | 11.6 | 1,471 | 12.7 | 1,284 | 2.6 | 1,966 | 21.8 |
| | 2006 | 0 | * | * | 0 | * | 0 | * | 0 | * |
| | 2005 | 2,342 | 6.7 | 9.6 | 2,141 | 11.8 | 1,816 | 2.6 | 2,439 | 56.8 |
| | 2004 | 2,362 | 5.6 | 10.1 | 2,049 | 11.8 | 1,743 | 1.8 | 2,436 | 54.9 |
| | 2003 | 2,758 | 6.9 | 9.8 | 2,328 | 10.6 | 2,044 | 2.1 | 2,795 | 54.8 |
| | 2002 | 2,695 | 7.1 | 9.6 | 2,284 | 11.7 | 1,952 | 3.4 | 2,777 | 54.6 |
| | 2001 | 1,941 | 6.1 | 10.1 | 1,666 | 10.1 | 1,450 | 2.3 | 2,012 | 52.6 |

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

